Earthdata UTC Meeting 12.08.2015

1. Attendance

Please make a comment at the bottom of this agenda to record your attendance.

2. EMS Status

Nelson Casiano

- **Upcoming/Ongoing Activities with Data Providers**
    - MODAPS - MODAPSNRT3 - working to address some issues discovered by the EMS data analysts prior to moving to Production
    - ORNL - Testing new distribution files (THREDDS) in EMS UAT
    - GHRC - Adding AMSR2NRT to EMS - testing in EMS UAT
    - ECS 8.3.8 (Timezone Update)
        - NSIDC - deployed to TS1 (UAT) environment. Testing against EMS UAT
        - LARC ASDC - TBD
        - LP DAAC - TBD

3. Earthdata Login

Peter Smith

- **URS Integration Information on SSO and the API's can be found on** Wiki

- **DAAC On-boarding Status and Integration Schedule can be found on** Wiki
    - Please get in touch (Peter Smith or Stanley Stewart) if you are having trouble accessing any of the Wiki areas.

- **URS4 Development**
    - Current Sprint 2.61
    - In Production(Release 4.41)

Sprint Status

Sprint	Start Date	Release	UAT Date	OPS Date
2.61	30 Nov 2015	4.43	17 Dec 2015	-- TBD --
2.60	16 Nov 2015	4.42	03 Dec 2015	10 Dec 2015
2.59	02 Nov 2015	4.41	19 Nov 2015	25 Nov 2015

Release 4.43 Tickets

How do I get updates about this meeting?

Subscribe by clicking here.

URSFOUR-610 - Provide an option for cookie-based session in the Apache URS Auth module

Release 4.42 Tickets

URSFOUR-607 - Provide process for migrating users between URS environments.

URSFOUR-601 - Provide the requirements of the username on Earth Data Login Page

Release 4.41 Tickets

URSFOUR-599 - Application Admins should have access to the application 'Password Reset' function.

URSFOUR-594 - Provide an ROPC implementation for URS

4. Earthdata

Brett McLaughlin Mark Reese

- **ECC Bootcamp follow-up**
  - Answers to session questions handled via email
  - Link to video forthcoming
  - More questions? support@earthdata.nasa.gov with subject "ECC Questions"
- **Foundational work on Earthdata Status application**
- **Continued work on Earthdata search capabilities (especially results page, sorting, etc.)**

Recent Sprint Tickets

ED-1632
Go through all Earthdata Uptrends probes and update/decommission as appropriate.

ED-1631
Handle HTTP cache headers for static resources

ED-1629
The Archive page should indicate what order/sorting is currently active.

ED-1625
As a content author, I expect to be able to add anchor links from the WYSIWYG editor (Earthdata Service Desk)

ED-1617
As a Content Author, I should be able to drag multiple images to the image depot (Earthdata Service Desk)

ED-1615
Nested item picker does not handle long items

ED-1613
Conduit displays two arrows on accordion in Earthdata

ED-1612
homepage main menu is cutting off POI text (Earthdata Service Desk)

ED-1610
Add a "loading" indicator to the end of search results when the next page is being loaded.

ED-1593
Search results from DAAC web sites should better indicate what DAAC site they came from.

ED-1589
Permanently delete the non-EOSDIS imagery from Earthdata and Conduit (Earthdata Service Desk)

ED-1469
Use Google Analytics to track number of requests to each version of deployed EUI

ED-1420
As a user, I should be able to filter search results by whether it is a document or webpage (Earthdata Service …

ED-1346
Update News & Events design (ED)

ECON-644
Refactor CMS pages to use the background-updated model.

ECON-633
Refactor the parent/child hierarchy to avoid excessive queries.

ECON-618
As a Manager, I can choose to unfeature a published and featured Article.

ECON-567
As an Author, I can add a "Link List" gadget to the sidebar of an Article, Basic Page, or News Item.

ECON-566
As an Author, I can create a "Link List" gadget with a set of curated links to ED and external pages.

ECON-191
All uploaded files should be virus scanned automatically.

ECC-941
image icons on ECC projects are not showing up

DOWN-36
Build banner styles into the JS widget for sites that don't use EUI.

DOWN-35
Add public API docs to the Status app REST API.

DOWN-34
Create a public wiki page with instructions on how to integrate the Earthdata Status application.

5. User Support Tool

Stanley Stewart

Issues:

- Spike in spam mail at ASDC but now contained, however the weekly metrics are slightly elevated overall.

Notes:

- Sea Level Change (JPL) is now integrated with Kayako and now testing the features.
- Remember to use the tagging feature on your support tickets, Tagging is your friend!

Recent Metrics

Kayako Tickets for last 12 Weeks

	Closed	In Progress	On Hold	Open	Waiting	Waiting for DAAC	Waiting for User
ASDC	679	10		8		9	
ASF	4						
CDDIS	3						
CMR	3						
Cross-DAAC	1						
ECC	40			7			
ECHO	29			1		1	
EMS	1			1			
ESDIS Management	1						
Earthdata	75	3			1		
Earthdata Search	39	5					
FIRMS	63						1
GCMD	45	2					1
GES-DISC	2	1		1			
GHRC	31			2			
GIBS	3						
JAMA				2			
LANCE	10						
LPDAAC	869	3	8	2	1	12	

	Closed	In Progress	On Hold	Open	Waiting	Waiting for DAAC	Waiting for User
MMT	4			2			
MODAPS	2						
NSIDC	4			1			
OB.DAAC	2						
ORNL DAAC	24			1			
PO.DAAC	58	1		9		1	
Rapid Response	5						
Reverb	39					1	
SEDAC	1						
Sea Level Change	4			25			
Testing				2			
Tophat				1			
URS	375	3	1	1			2
UST Staff				1			
UUI	3	3		6			
Worldview	29			1			
Totals (5184)	**2448**	**31**	**9**	**74**	**2**	**24**	**4**

Kayako Tickets since last UTC

	Closed	In Progress	On Hold	Open	Waiting	Waiting for DAAC	Waiting for User
ASDC	32	3		6			

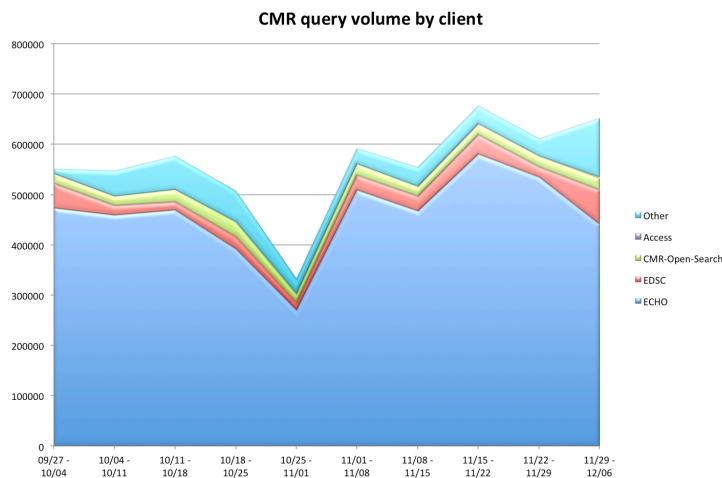|							
CMR	1						
ECC	10			2			
ECHO	5			1			
Earthdata	6						
Earthdata Search	5						
FIRMS	3						1
GCMD	6	1					1
GES-DISC	1	1					
GHRC	4			2			
LANCE	1						
LPDAAC	60	2	2	1	1	8	
MMT				2			
NSIDC	1			1			
ORNL DAAC	5			1			
PO.DAAC	2	1		5		1	
Reverb	4						
Sea Level Change	2			25			
Testing				2			
URS	55	2	1	1			2
UST Staff				1			
UUI	1						
Worldview	9			1			
Totals (291)	213	10	3	51	1	9	7

6. CMR/ECHO/Earthdata Search

Doug Newman

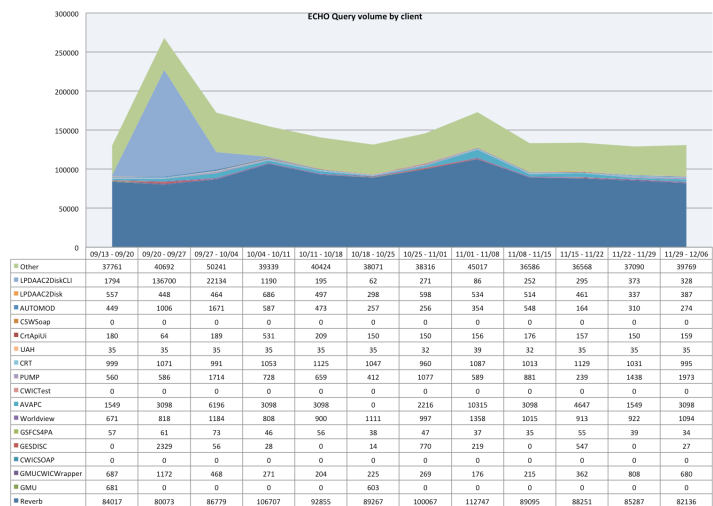## CMR/ECHO System Status

System Issues

- 12/05/15 Operations: flapping availability of ECHO/CMR from 8am - 10am ET. Failed rack resulted in degraded performance until restarted
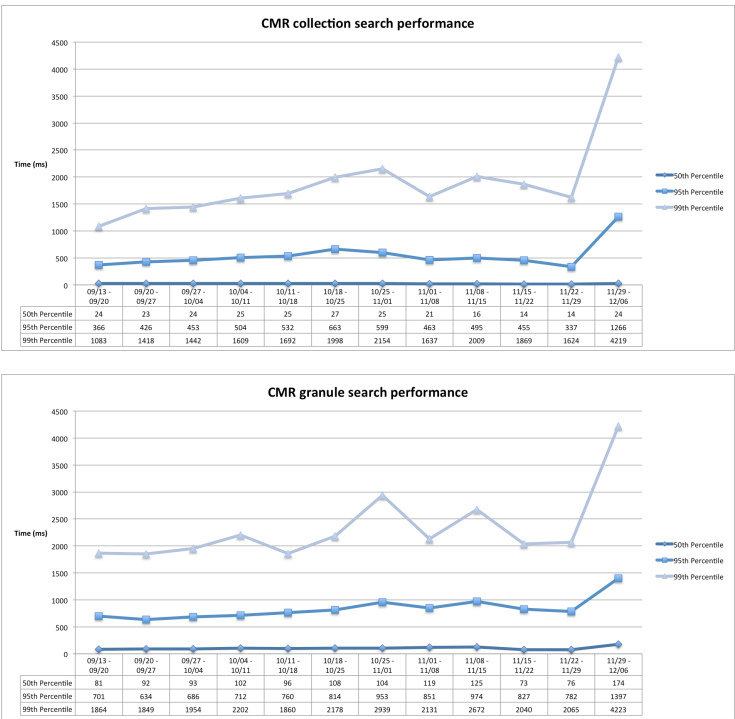
Recent Metrics

CMR client usage

CMR query volume by client

ECHO Client Usage

ECHO Query volume by client

	09/13 - 09/20	09/20 - 09/27	09/27 - 10/04	10/04 - 10/11	10/11 - 10/18	10/18 - 10/25	10/25 - 11/01	11/01 - 11/08	11/08 - 11/15	11/15 - 11/22	11/22 - 11/29	11/29 - 12/06
Other	37761	40692	50241	39339	40424	38071	38316	45017	36586	36568	37090	39769
LPDAAC2DiskCLI	1794	136700	22134	1190	195	62	271	86	252	295	373	328
LPDAAC2Disk	557	448	464	686	497	298	598	534	514	461	337	387
AUTOMOD	449	1006	1671	587	473	257	256	354	548	164	310	274
CSWSoap	0	0	0	0	0	0	0	0	0	0	0	0
CrtApiUi	180	64	189	531	209	150	150	156	176	157	150	159
UAH	35	35	35	35	35	35	32	39	32	35	35	35
CRT	999	1071	991	1053	1125	1047	960	1087	1013	1129	1031	995
PUMP	560	586	1714	728	659	412	1077	589	881	239	1438	1973
CWICTest	0	0	0	0	0	0	0	0	0	0	0	0
AVAPC	1549	3098	6196	3098	3098	0	2216	10315	3098	4647	1549	3098
Worldview	671	818	1184	808	900	1111	997	1358	1015	913	922	1094
GSFCS4PA	57	61	73	46	56	38	47	37	35	55	39	34
GESDISC	0	2329	56	28	0	14	770	219	0	547	0	27
CWICSOAP	0	0	0	0	0	0	0	0	0	0	0	0
GMUCWICWrapper	687	1172	468	271	204	225	269	176	215	362	808	680
GMU	681	0	0	0	0	603	0	0	0	0	0	0
Reverb	84017	80073	86779	106707	92855	89267	100067	112747	89095	88251	85287	82136

CMR Query Performance

CMR collection search performance

	09/13 - 09/20	09/20 - 09/27	09/27 - 10/04	10/04 - 10/11	10/11 - 10/18	10/18 - 10/25	10/25 - 11/01	11/01 - 11/08	11/08 - 11/15	11/15 - 11/22	11/22 - 11/29	11/29 - 12/06
50th Percentile	24	23	24	25	25	27	25	21	16	14	14	24
95th Percentile	366	426	453	504	532	663	599	463	495	455	337	1266
99th Percentile	1083	1418	1442	1609	1692	1998	2154	1637	2009	1869	1624	4219

CMR granule search performance

	09/13 - 09/20	09/20 - 09/27	09/27 - 10/04	10/04 - 10/11	10/11 - 10/18	10/18 - 10/25	10/25 - 11/01	11/01 - 11/08	11/08 - 11/15	11/15 - 11/22	11/22 - 11/29	11/29 - 12/06
50th Percentile	81	92	93	102	96	108	104	119	125	73	76	174
95th Percentile	701	634	686	712	760	814	953	851	974	827	782	1397
99th Percentile	1864	1849	1954	2202	1860	2178	2939	2131	2672	2040	2065	4223

CMR Release Status

In Production: 1.38

CMR-2179
Granules missing from search results

CMR-2172
As a user, I want to exclude collections with a given tag from my search results so I may filter results to only the most relevant values

CMR-2169
CMR bootstrap virtual products does not work when an existing tombstone references the same entry-title as the virtual collection

CMR-2166
Recurring temporal search returns granules with temporal outside of the start/end day.

CMR-2165
CMR GZIP encoding not working

CMR-2157
CMR virtual-product-app does not support provider alias on source granule deletion

CMR-2148
As a Client User, I want to be able to find group revisions in Metadata DB

CMR-2147
As a Client User, I want to be able to save group tombstones to Metadata DB

CMR-2146
As a Client User, I want to be able to save groups to metadata db.

CMR-2145
CMR reports that a collection has no granules when it's granule count (in the same result) is greater than zero

CMR-2119
CMR Ingest documents 201 as successful response for creating entity

CMR-2107
UAT elasticsearch running out of memory

CMR-1585
As a CMR Operator, I want older, superseded service concept revisions to be removed, to reduce storage requirements.

In UAT/SIT: 1.39

CMR-2236
Find services with parameters not working.

CMR-2228
When creating an "Adding Catalog Item ACL" an Internal Error message appeared.

CMR-2227
CMR virtual-product-app translate-granule-entries endpoint does not support provider-alias

CMR-2209
As a data provider, I want to be able to enable/disable creation of virtual products by individual collection.

CMR-2202
As a client, I want the search documentation to include a Table of Contents to facilitate better navigation.

CMR-2148
As a Client User, I want to be able to find group revisions in Metadata DB

Earth Data Search Release Status

In Production: 1.6

EDSC-865
Rename CWIC collections to use the verbage "Int'l / Interagency" instead of "External"

EDSC-863
Granules order won't go through if granules are filtered by granule UR

EDSC-862
Collection shows spatial extent that doesn't seem to overlap bounding box of search. (Missing short_name)

EDSC-861
Compact Collection View cuts of RHS icons if scroll bar present

EDSC-860
Mini map on collection detail page not showing up in IE

EDSC-835
Collection details do not update the URL state when facet list is open

EDSC-834
'Earthdata Search Beta' tooltip appears when hovering over the NASA logo

EDSC-833
In IE 10, going to dataset details and then searching again does not return user to search results page

EDSC-831
EDSC is allowing granules to be ordered as AST_05 even though they do not have the requisite TIR band

EDSC-828
Metadata links to CMR in UAT point to PROD and, therefore, don't work

EDSC-827
Browse image for SENTINEL-1A_GRD does not exist

EDSC-816
As a user, I want to find granule search API endpoints for non-NASA collections so I may search them with external tools

EDSC-810
As a user, I want to see an indication of non-NASA collections among my collection results so I may understand differing behavior

EDSC-789
Not receiving notifications for LARC_ASDC order

In UAT/SIT: 1.7

EDSC-843
Forward query params from landing page

ECHO/Reverb Release Status

In Operations: 10.110

Change "Earthdata Search beta" to "Earthdata Search" on Reverb homepage

🔴 ECHO-550
Recycling of kernels is required more frequently over the last two weeks

↗ ECHO-502
Display a dialog offering to perform a query in Earthdata Search using an existing Reverb query

In Partner Test and Test Bed: 10.111

🔴 ECHO-563
Using newInstance() on JAXBContexts instead of singleton may be causing classloader leaking issues.

💡 ECHO-562
address some incompatibilities in reverb to EDSC query mapping

☑ ECHO-556
Investigate Java Security Vulnerability in ECHO

💡 ECHO-528
Investigate ways to prevent client impact of error message changes due to sync ingest

Upcoming PMs

🗓 **09 Dec 2015**

- CMR SIT and ECHO Test Bed OS patching **(outage)**
- OPS firewall upgrades **(live)**

🗓 **11 Dec 2015**

- CMR UAT and ECHO Partner Test OS patching **(outage)**

🗓 **16 Dec 2015**

- CMR 1.39 to Production. CMR 1.40 to UAT
- Earthdata Search 1.7 to Production. Earthdata Search 1.8 to UAT
- ECHO 10.111 to Operations. ECHO 1.112 to Partner Test

Ingest Error Handling Question for Providers

Timothy Goff

Catalog-Rest will be switched to ingest synchronously to CMR (rather than queuing ingests for asynchronous propagation to CMR). CMR ingest/validation error responses will now be forwarded to clients. Catalog-Rest will make small modifications to these responses to make them backwards

compatible, but we want to know how Catalog-Rest error responses are being used currently to know what modifications must be made. We already have this information from ECS DAACs, but for other providers, we would like to know:

1. The catalog-rest error response contains 3 parts, listed below. Which of these does your client depend on for determining how to handle an error?
    a. HTTP error code (e.g. 400, 401, 404, 409, 422, 500)
    b. Error 'code' attribute (e.g. REST_BAD_REQUEST, REST_BAD_REQUEST, INVALID_XML)
    c. Error message (human readable descriptive text)
2. Do you parse the XML body? If so, what assumptions are made about structure? CMR adds nested errors and a <path> element, as shown below. relative xpaths (e.g. //errors/error) will continue to work, but absolute xpaths or any schema based processing my fail. Will this change in structure be a problem for your client?

```
<errors>
  <error>
    <path>SpatialCoverage/Geometries/0</path>
    <errors>
      <error>Spatial validation error: The
shape contained duplicate points. Points 2
[lon=-76.2 lat=38.4] and 3 [lon=-76.2 lat=38.4]
were considered equivalent or very
close.</error>
    </errors>
  </error>
</errors>
```

The current equivalent of this response is

```
<errors>
  <error code="RECORD_INVALID">Geometry
Gpolygon 1 has the following Oracle spatial
validation error: ORA-13356: adjacent points in
a geometry are redundant [Element &lt;1&gt;]
[Coordinate &lt;3&gt;][Ring &lt;2&gt;]</error>
</errors>
```

7. GIBS

Matthew Cechini

- **System Status**
    - Outage 11/30 - Primary GIBS imagery access unavailable due to Apache error
    - Outage 12/1 - Image-Download & On-the-fly WebMercator imagery access unavailable due to separate Apache error
- **New/Planned Products**
    - Landsat WELD - 30m True Color / NDVI
        - Awaiting additional imagery
    - VIIRS - Fires & Corrected Reflectance
        - Added new imagery to GIBS production in forward processing.

- MODIS Collection 6 - Atmosphere & Land Reprocessing
    - Atmosphere - Completed imagery review! Scheduling reprocessing.
    - Land L2 - Waiting on approval from science team and DAACs.
- AMSR-E Rain - Historical Reprocessing
    - Pending processing of next batch of historical imagery.
- BEDI Activities - Reviewing sample imagery for the following instruments:
    - OMI - GES DISC
    - CERES - ASDC
    - MOPITT - ASDC
    - MISR Standard - ASDC
    - MISR NRT - ASDC
    - SSM - NSIDC
- **GIBS New Production Release**
    - Performing full integration and performance testing
    - Beginning formal testing of SIPS GeoTIFF, WMS/CMR, & FTP imagery handlers

8. Worldview

Taylor Gunnoe

- New Layers for 0.9.0
    - SRTM
    - VIIRS Corrected Reflectance
    - VIIRS Fires
    - PO.DAAC GHRSST
    - SMAP L4 and SMAP L3 Active/Passive
- Testing and fixes for 0.9.0
    - Planned release: This Week
- Metadata entries for post 0.9.0 release

9. Open Floor

a. ECC Bootcamp: Thursday, Dec 3

 - plan to post the recording of the meeting

 - More questions or feedback? support@earthdata.nasa.gov with subject "ECC Questions"

b. Special Topic for Dec 8 UTC: Earthdata Service Desk

ACTIONS

Research the following use cases for Earthdata Service Desk:

1. As a Service Desk ticket reporter, I want to be able to see who is 'watching' my service desk ticket (i.e., my ESD ticket).

2. As a supervisor or interested party, I want to be able to add myself as a watcher on a service desk ticket written by someone else.   (there are permission implications here)

3. As a Service Desk ticket reporter, I want to be able to perform External Verification of a ticket I wrote (and thereby of its corresponding clone).   (This applies mainly to ESD tickets that are 'bug' reports, e.g., from the Product-Support page)

4. As a Service Desk ticket reporter, I do not want my ticket to be Closed unless I have performed an External Verification successfully. (this is a workflow issue)

5. As a Service Desk ticket reporter, I want to be able to comment on my ESD ticket and have that comment flow through to the corresponding back-end ticket.

6. As a person working the back-end clone of a Service Desk ticket, I want to be able to ask questions of the reporter of the corresponding Service Desk ticket (we think that this can be done

now by the person working the back-end ticket entering comments in the corresponding ESD ticket.   We think that the person working the back-end ticket will know the corresponding ESD ticket number because it is added to the back-end ticket during the cloning process).